

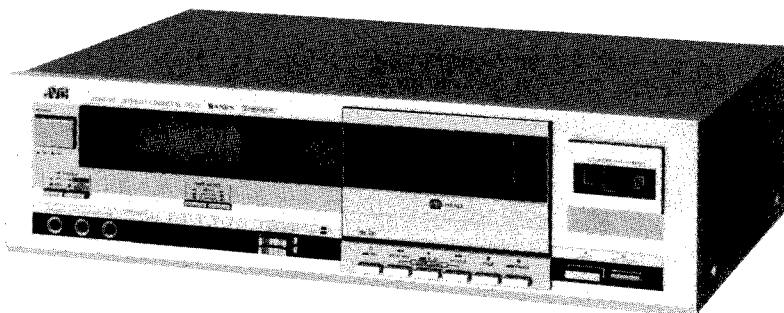
JVC

SERVICE MANUAL

MODEL

KD-D40 A/B/C/E/J/U

STEREO CASSETTE DECK



No. 4211
April, 1982

Contents

	Page
Specifications, Dimensions	2
Features	3
Controls and Connections	3
Main Parts Location	4
Removal of the Main Parts	5
Main Adjustments	6
Block Diagram	8
Standard Schematic Diagram	
(Spectro peak level indicator circuit	9
Wiring Connection	10
Standard Schematic Diagram	
(Power supply and mecha. control circuit)	11

	Page
Standard Schematic Diagram	
(Main Amplifier circuit)	13
P.W. Board Parts	13
Enclosure Assembly and Electrical Parts	
(Except P.W. Board Parts)	14
Enclosure Assembly and Electrical Parts List	15
Mechanical Component Parts	16
Mechanical Component Parts List	17
Main Amplifier P.W. Board Parts List	20
Display P.W. Board Parts List	23
Other P.W. Board Parts List	24
Packing, Packing Material Parts List	25
Accessories	Back cover

Specifications

Type : Stereo cassette deck

Track system : 4-track, 2-channel

Tape speed : 1-7/8 inch/sec (4.8 cm/sec)

Frequency response : (0 dB recording)

Metal tape *1;
30—12,500 Hz (± 3 dB)

SA/Chrome tape *2;
30—8,000 Hz (± 3 dB)

SF/Normal tape *3;
30—8,000 Hz (± 3 dB)

(—20 dB recording)

Metal tape *1;
20—17,000 Hz

30—16,000 Hz (± 3 dB)

SA/Chrome tape *2;
20—17,000 Hz

30—16,000 Hz (± 3 dB)

SF/Normal tape *3;
20—16,000 Hz

30—15,000 Hz (± 3 dB)

Note: *1 JVC ME or Equivalent
*2 TDK SA or Equivalent
*3 MAXELL UD or Equivalent

S/N ratio : 58 dB (S=1 kHz, K3=3%,
N=A-Weight, Metal tape)
The S/N is improved by about
15 dB at 500 Hz and by max.
20 dB at 1 kHz — 10 kHz with
DOLBY C NR on and improved
by 5 dB at 1 kHz and by 10 dB
at above 5 kHz with
ANRS/DOLBY B NR on.

Improvement of MOL : 4 dB at 10 kHz with DOLBY C
NR on.

Wow and flutter : 0.05% (WRMS),
0.16% (DIN 45 500)

Crosstalk	: 60 dB (1 kHz)
Harmonic distortion	: K3; 0.5% THD; 1.0% (metal tape, 1 kHz 0 VU)
Channel separation	: 40 dB (1 kHz)
Heads	: SA head for recording/ playback, 2-gap ferrite head for erasure
Motor	: Electronic governed DC motor
Fast forward time	: Approx. 100 sec. with C-60
Rewind time	: Approx. 100 sec. with C-60
Input terminals	
Mic jack × 2	: Max. sensitivity; 0.2 mV (− 74 dBV) Matching impedance; 600 Ω—10 kΩ
Input jack × 2	: Min. input level; 80 mV Input impedance; 100 kΩ
Output terminals	
Output jack × 2	: Output level; 300 mV Output impedance; 5 kΩ
Phones jack × 1	: Output level; 0.3 mW/8 Ω Matching impedance; 8—1 kΩ
Power requirement	: AC 240/220/120 V, 50/60 Hz (KD-D40A/B/C/E/J) AC 240/220/120/100 V, 50/60 Hz (KD-D40U)
Power consumption	: 23 W (With power on)
Dimensions	: 17-1/8" (435 mm) W 4-9/16" (116 mm) H 10-13/16" (275 mm) D
Weight	: 11.9 lbs (5.4 kg)
Accessories	: Pin plug cord 2

Design and specifications are subject to change without notice.

Dimensions

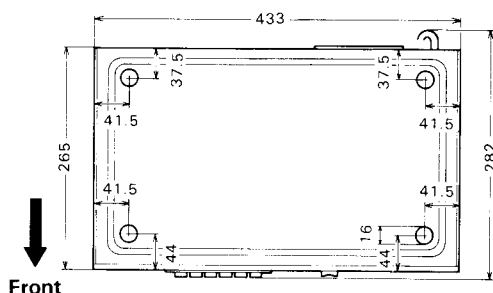
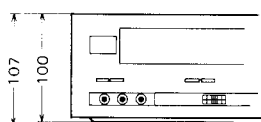


Fig. 1

Features

- One-motor logic tape transport mechanism.
- DOLBY* C NR (Noise Reduction) system.
- Metal tape compatible.
- Two-color fluorescent SPI (spectro-peak indicator) for optimum recording level adjustment.
- TIMER START facility.
- Music Scan mechanism

"Under license of Staar S.A., Brussels Belgium".

- REC MUTE (recording muting) mechanism.
- Full auto-stop mechanism.
- Geared and oil-damped cassette door.
- Automatic input select.

*Dolby C type noise reduction system is manufactured under license from Dolby Laboratories Licensing Corporation.

*"Dolby" and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.

Controls and Connections

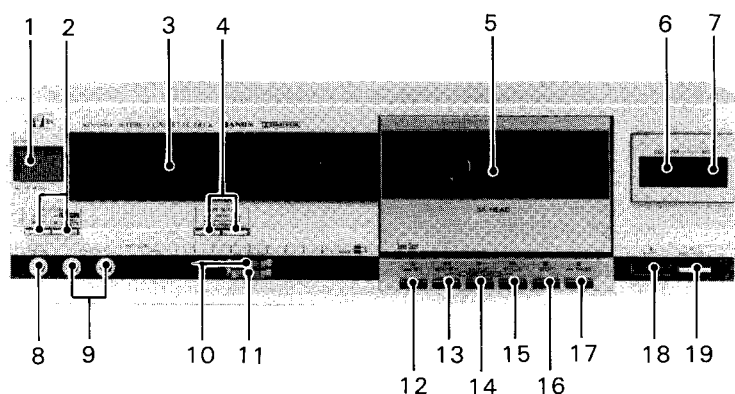


Fig. 2

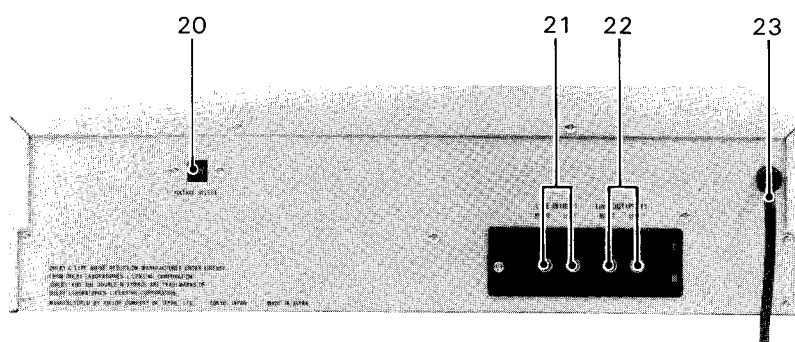
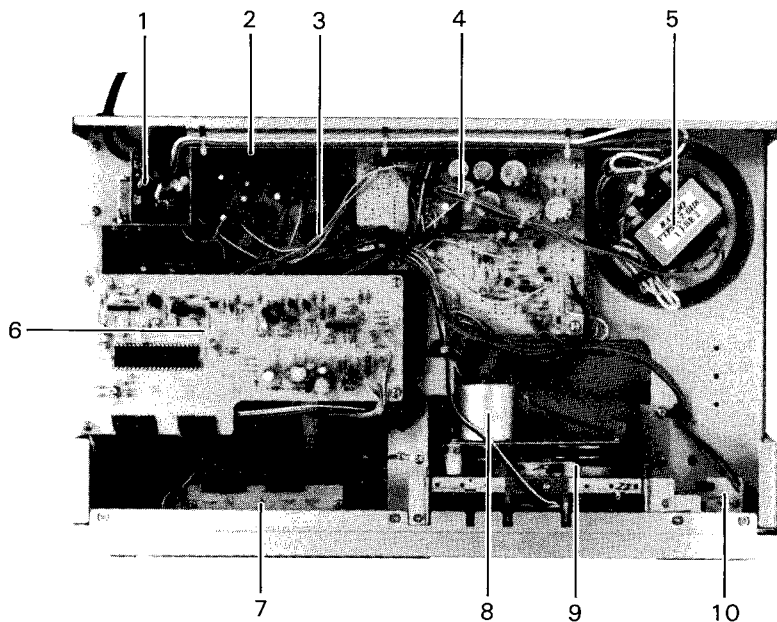


Fig. 3

- | | |
|---|---|
| 1. POWER switch | 12. ○ REC (Record) button with indicator |
| 2. NR SYSTEM switches [OFF, $\frac{\text{ANRS}}{\text{DOLBY B}}$, DOLBY C] | 13. ◀ REW/REV (rewind/review) button |
| 3. SPECTRO PEAK indicator | 14. ▶ PLAY button with indicator |
| 4. TAPE SELECT switches
(SF/NORM—SA/CrO ₂ —METAL) | 15. ▶▶ FF/CUE (fast forward/cuing) button |
| 5. Cassette holder | 16. ■ STOP button |
| 6. Tape counter (COUNTER) | 17. PAUSE button with indicator |
| 7. Counter reset button (RESET) | 18. ▲ EJECT button |
| 8. Headphone jack (PHONES) | 19. ● REC MUTE button |
| 9. Microphone jacks (MIC) { L = Left channel
R = Right channel | 20. VOLTAGE SELECT switch (KD-D40 B/E/U) |
| 10. REC LEVEL control knob (Left channel) | 21. LINE IN (REC) terminals |
| 11. REC LEVEL control knob (Right channel) | 22. LINE OUT (PLAY) terminals |
| | 23. Power cord |

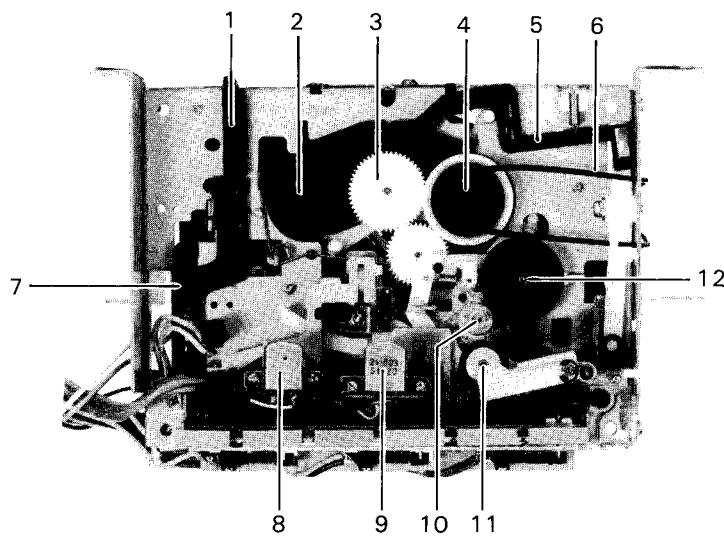
Main Parts Location



1. Power switch
2. Pin jacks assembly
3. Main amplifier P.W.B. ass'y
4. Power supply P.W.B. ass'y
5. Power transformer
6. Display P.W.B. ass'y
7. FL. tube P.W. board ass'y
8. Motor ass'y
9. Mecha. assembly
10. Hall IC P.W. board

Fig. 4

(Mechanical Parts)



1. Rec safety arm
2. Supply reel ass'y
3. Rew. gear
4. Take-up reel ass'y
5. Brake arm (1)
6. Counter belt
7. Rec lever
8. Erase head
9. R/P head
10. Capstan shaft
11. Pinch roller arm ass'y
12. Take-up idler ass'y

Fig. 5

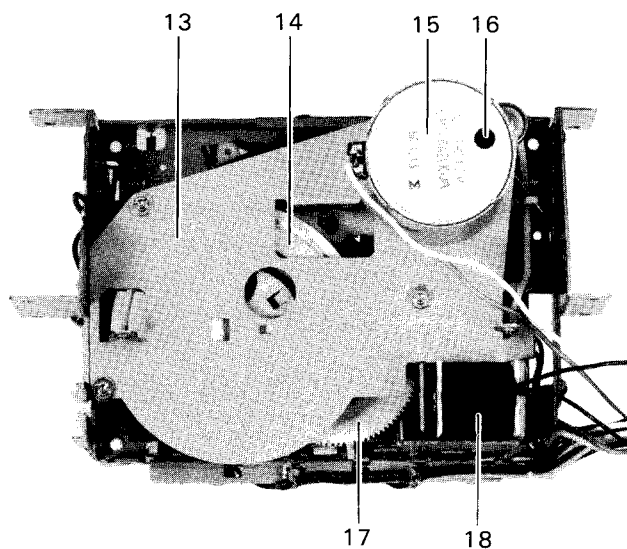


Fig. 6

Removal of the Main Parts

Observe care in handling the parts since the parts are small in size and the distance between them are short due to a deck design aimed mainly at compactness and high performance.

(Removement should be performed in the order of steps 1, 2, 3)

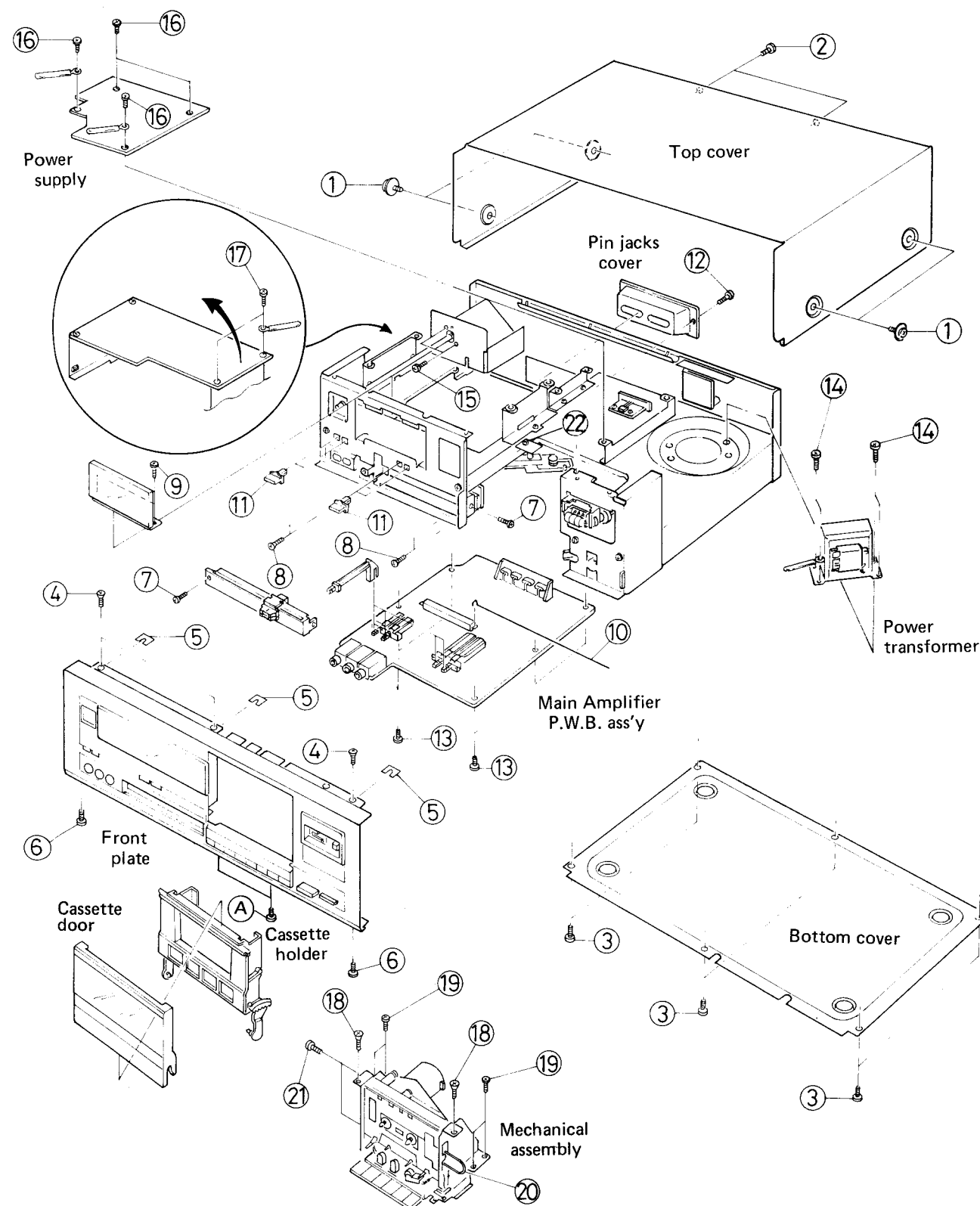


Fig. 7

Enclosure assembly parts

- Cassette door**
Push the EJECT button to open the cassette door. Slide off the cassette door upwards to unlock its pawls of both sides.
- Top cover**
Remove 6 screws (4 screws ① (VKZ3001-002) on both sides and 2 screws ② (SDST3006R) on rear side).
- Bottom cover**
Remove 6 screws ③ (SDST3006Z) fastening the bottom cover.
- Front plate assembly**
Remove 4 screws ④ (SSST3006Z) and 3 spacers ⑤ (VYSA101-008) on upper side, and 2 screws ⑥ (SDST3006Z) on bottom side.
(When assembling the front plate, don't forget to assemble 3 spacers in each screw.)
- Cassette holder**
Remove 2 screws ⑧ fastening the door bracket ass'y.

Electrical parts assembly

- Rec level control VR**
1) Remove a screw ⑦ (SDST2606Z) fastening the blind.
2) Remove 4 screws ⑧ (SSSP2604Z) fastening the slide VR.
- FL tube P.W.B. ass'y**
1) Remove 2 screws ⑨ (SDST3006Z) fastening the P.W. board.
2) Slough out FL tube to under.
- Amplifier P.W.B. ass'y**
1) Remove the wire ⑩ for recording switch from spring.

- 2) Remove 4 push buttons ⑪ (and its remote bares)
- 3) Remove a screw ⑫ (SDST3006R) fastening the pin jack escutcheon.
- 4) Remove 5 screws ⑬ (SDST3006Z) fastening the amp. P.W. board.
- 5) Pull off amp. P.W.B. ass'y to back under side.
- Power transformer**
Remove 4 screws ⑭ (SDST3006Z) fastening the power transformer.
- Power switch**
Remove the remote bar and remove 2 screws ⑮ fastening the power switch.
- Power supply P.W.B. ass'y**
Remove 4 screws ⑯ (SDST3006Z)
- Display P.W.B. ass'y**
Remove 2 screws ⑰ (SDST3006Z), and open its P.W. board by 2 hinges.

Mechanical assembly

1. Remove 2 screws ⑱ (SSST3006Z) fastening the mecha. ass'y on the front panel. (upper side)
2. Remove 4 screws ⑲ (SSST3006Z) fastening the mecha. bracket on the chassis.
3. Remove the counter belt ⑳ (Be careful not to stain the counter belt.)
4. Remove a screw ㉑ fastening the recording bracket.

Mechanical parts

- Mecha. cover**
Remove 2 screws ㉒ (SDST2604Z) fastening the mecha. bracket (L).

The removal methods of mechanical parts are the same as model KD-D20 A/B/C/E/J/U, please refer to service manual of KD-D20 A/B/C/E/J/U. (No. 4208 page 5).

Safety Precautions

⚠ Safety mark

Safety is very important with this unit. When replacing the parts marked ⚠, be sure to use only those designated parts. The designated resistors, diodes, transistors become hot in use. When replacing, be sure to secure them with a distance of more than 5 mm from the circuit board. In addition, they are banded together to avoid touching other wiring, recheck this point as well after repair. The wiring of the primary side should be wound more than one and half times, then soldered.

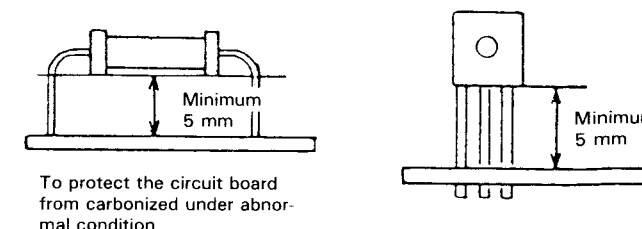


Fig. 8

Main Adjustments

[I] Equipment and measuring instruments used for adjustment

1. Electrical adjustment

- 1) Electronic voltmeter
- 2) Audio frequency oscillator (range: 50—20 kHz and output 0 dB with impedance 600 Ω)
- 3) Attenuator
- 4) Standard tapes for REC/PB

Maxell UD — SF tape	} or equivalent
TDK SA — SA tape	
JVC ME — Metal tape	

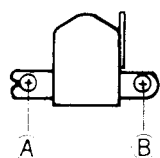
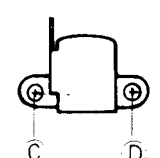
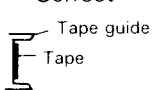
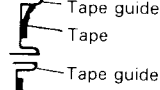
- 5) Reference tapes for playback (JVC Test Tape)
 - VTT-658 (for head azimuth adj.)
 - VTT-656 (for motor speed, wow flutter adj.)
 - VTT-664 (for Reference Level 1 kHz)
 - VTT-675N (for playback frequency response)
- 6) Resistor 600 Ω (for attenuator matching)

2. Mechanical adjustment

- 1) Torque testing cassette gauge, CTG-N.
- 2) Blank tape (C-120) for tape running checker.

[II] Mechanical adjustment

(Adjust the mechanism or confirm that it is in normal operating condition prior to the adjustment of the electrical circuit.)

Item	Adjustment	Adjusting point	Standard value	Remarks
Adjusting record/playback head position 	1. Connect an electronic voltmeter to the LINE OUT terminals. 2. Play back the VTT-658 test tape. 3. Adjust the head angle with the screw (A) until the reading of the electronic voltmeter becomes maximum for both channels. 4. After adjusting, set the screw with screw bond.	Screw (A)	Maximum	If the head is worn, disconnected or exceedingly magnetized so as not to provide the necessary characteristics, replace it with a new one. After replacement, the head position adjustment as well as the playback level adjustment, the bias current adjustment and the recording level adjustment are all necessary. If the output difference between the left and right channels exceeds 3—4 dB, the head is defective. Replace it with a new one.
Adjusting erase head height 	Employ a special cassette (C-120) from which parts of the casing, where the erase head, record/playback head and capstan engage, has been cut away. Perform tape transport with the cassette tape. Adjust the screw (C) until the tape runs in the center of the erase head tape guide. Correct  Incorrect 	Screw (C)		Be sure to perform this adjustment after replacing the erase head.
Adjusting motor speed	Connect a speed meter (an electronic counter) to the LINE OUT terminals. Play back the VTT-656 test tape. Adjust the semi-fixed resistor in the motor until the reading of the speed meter is 3000 Hz.	Semi-fixed resistor in the motor	3000 Hz	If the speed meter functions as a wow and flutter meter, also, connect the deck to the INPUT terminals of the meter.
Checking playback torque	Employ a torque testing cassette tape for the checking.		40—70 gr-cm	If the standard torque is not obtained, replace the take-up disc assembly.

Item	Adjustment	Adjusting point	Standard value	Remarks
Checking fast forward torque	Measure the torque in the fast forward mode in the same manner as in the above.		More than 80 gr-cm	If the standard torque is not obtained, perform the following. 1. Clean the capstan belt, the idler circumference, the motor pulley, the take-up reel disc circumference, the flywheel circumference, etc. 2. Replace the belt and idler.
Checking rewind torque	Measure the torque in the rewind mode in the same manner as in the above.		More than 80 gr-cm	If the standard torque is not obtained, clean the capstan belt, idler, motor pulley, flywheel circumference, rewinding idler circumference, left reel disc circumference, etc.
Checking wow and flutter	Connect a wow and flutter meter to LINE OUT terminals. Play back the VTT-656 test tape. Check to see if the reading of the meter is within 0.16% (RMS).			If the reading becomes moving value even if conforming to the standard, a re-claim may be raised. Repairs are necessary.

[III] Electrical adjustments location

Main Amp. P.W. Board (parts ass'y side view)

(Turning in the direction of the arrow increases the level.)

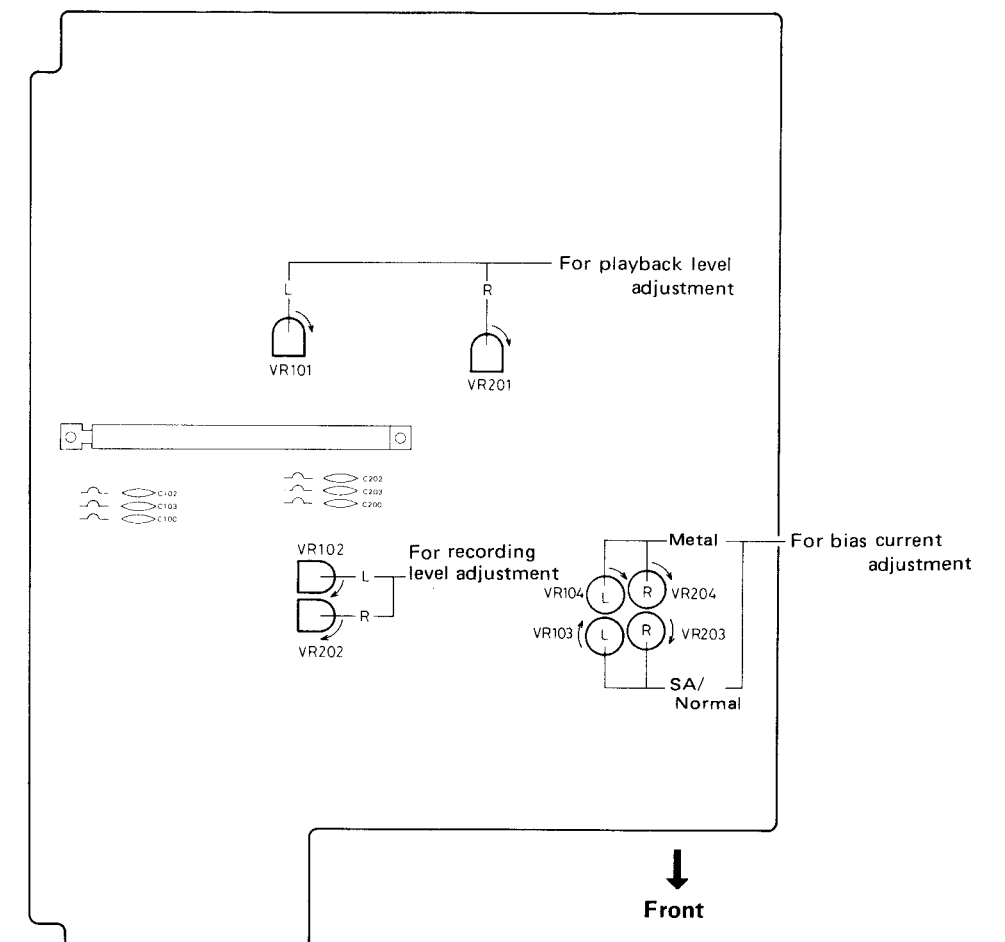
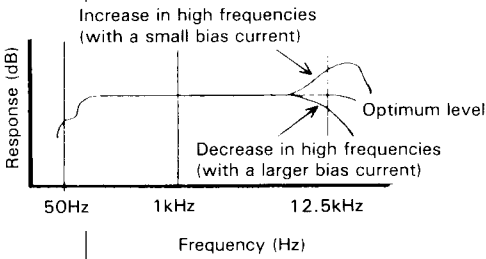


Fig. 9

[IV] Electrical circuit adjustment procedure

In the steps marked by an asterisk (*), adjustment should be performed, however, only checking is sufficient with steps other than those.

Adjustment should be performed in the order of steps 1, 2, 3,..... Perform this adjustment with the NR SYSTEM switch set to OFF.

Step	Item	Adjustment	Adjusting point	Standard value	Remarks
1 *	Playback frequency response	Playback test tape VTT-675N (1 kHz, 10 kHz) for following adjustment. 1. Connect/Disconnect C100, C102 or C103 (C200, C202 or C203) so that 10 kHz signal and 1 kHz signal gains become flat response.	C100, 102, 103 C200, 202, 203	Reference frequency: 1 kHz 0 ± 2 dB at 10 kHz	NR SYSTEM: OFF TAPE SELECT: SF/NORM
2 *	Adjusting playback level	1. Play back the VTT-664 Reference tape (1 kHz) with the tape select switch set to the SF/NORM position. 2. Adjust VR101 and VR201 until the LINE OUT becomes about -8 dBs.	VR101 201	-8 dBs (0, 3 V)	This adjustment becomes necessary when a change in playback level results (for example, due to head replacement).
3 *	Checking record/playback frequency response	Record 1 kHz, 50 Hz and 12.5 kHz signals at an input level of 0 dB to -20 dB. Play back the tape. Check to see that the 50 Hz and 12.5 kHz signal output deviations fall within the standard range, using the 1 kHz signal output as a reference. 	For SF/NORM tape; VR103 203 For Metal tape; VR104 204	Reference frequency; 1 kHz 0 ± 3 dB at 50 Hz 0 ± 4 dB at 12.5 kHz	This checking should be performed for normal and METAL tapes and for both right and left channels. Bias current value with SA/CrO ₂ tape is selected by the voltage sifting of SF/NORM tape adjustment, so that the SA/CrO ₂ tape need not adjustment. 1. Bias current adjustment for a cassette deck should generally be performed referring to the record/playback frequency response. This is because the frequency response of a cassette deck depends more greatly upon the bias current than does that of an open reel deck. 2. If the bias current is not properly adjusted, the record and playback characteristics become as shown left.
4	Adjusting recording level	1. Apply a 1 kHz, approx. -10 dB signal to the LINE IN terminals. Adjust the recording level controls until the signal is available at -8 dBs at the LINE OUT terminals. 2. After checking to see if the Peak level indicator become 0, record the signal applied to both left and right channels using normal tape. 3. Play back the recording part. Perform the recording signal adjustment with VR102 and VR202 so that the peak level indicator become 0.	VR102 202	0 VU	The level difference between left and right channels for SF/NORM tape and metal tape should be less than 1 dB. Perform the adjustment using a normal tape, level difference between recording and playback for metal tape, should be less than 1.5 dB, and that between left and right channels should also be less than 1 dB.
5	Checking record/playback signal distortion	1. Record a 1 kHz, -8 dBs signal to LINE IN terminals and perform recording with the peak level indicator become 0. 2. Play back the recorded part. Check the output with a distortion meter to see if the value conforms to the standard value.		SF/NORM tape; Less than 2.5% SA/CrO ₂ tape; Less than 3% Metal tape; Less than 2%	Be sure to perform this adjustment following bias current and recording level adjustments.

Step	Item	Adjustment	Adjusting point	Standard value	Remarks
6	Checking signal to noise ratio in recording/play-back	1. Record a 1 kHz, 0 dB signal. Stop the input by disconnecting from the terminal to perform nonsignal recording. 2. Play back the recorded part. Measure the 0 dB recording output and the non-signal recording output for comparison using an electronic voltmeter. Check to see if the value conforms to the standard value.		SF/NORM, and Metal tapes; More than 42 dB	
7	Checking erasing coefficient	1. Apply a 1 kHz signal to the LINE IN terminals. Adjust the recording level controls until the peak level indicator become 0. 2. Perform recording with the signal enhanced by 20 dB. 3. Erase a part of the recording. 4. Measure the output difference between the erased part and nonerased part to compare with an electronic voltmeter.		More than 65 dB	For the measuring, connect a band pass filter between the deck and the electronic voltmeter. <pre> graph LR Input["Input (1 kHz 0 dB + 20 dB)"] --> TapeDeck["Tape deck (recording erasing)"] TapeDeck --> Voltmeter["Electronic voltmeter"] TapeDeck --> Filter["Band pass filter"] Filter --> Voltmeter FilterLabel["(1 kHz)"] </pre>
8.	Check Auto stop	Hold less than $1 \begin{smallmatrix} +0 \\ -0.5 \end{smallmatrix}$ mm gap to the magnet from the hall IC.			

Block Diagram

Power supply and mecha. control circuit

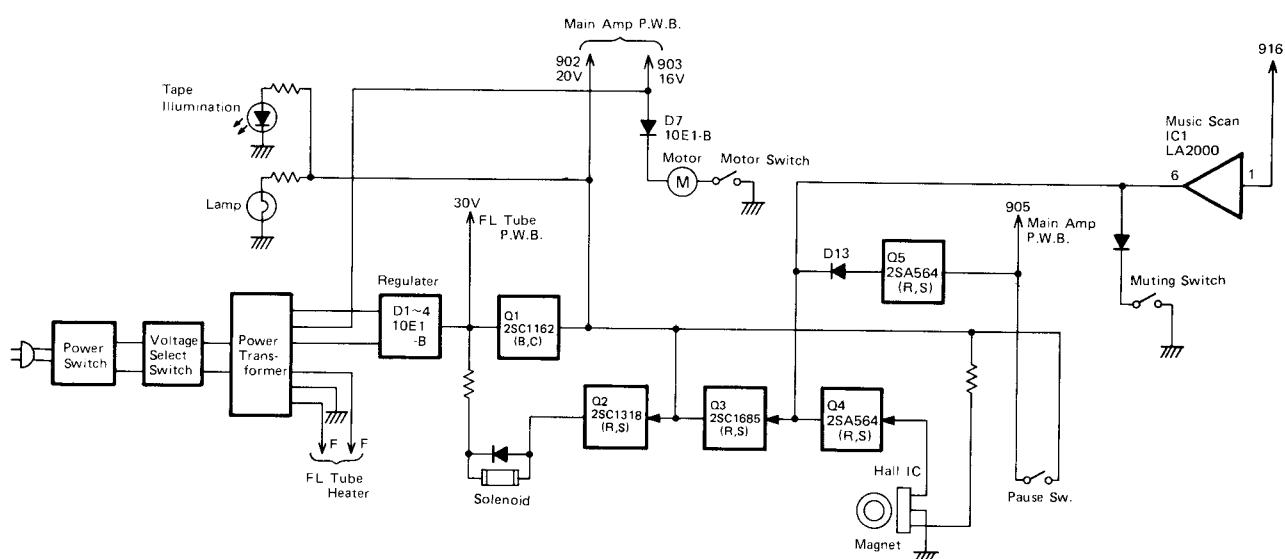


Fig. 10

(Spectro peak level indicator circuit)

Playback system

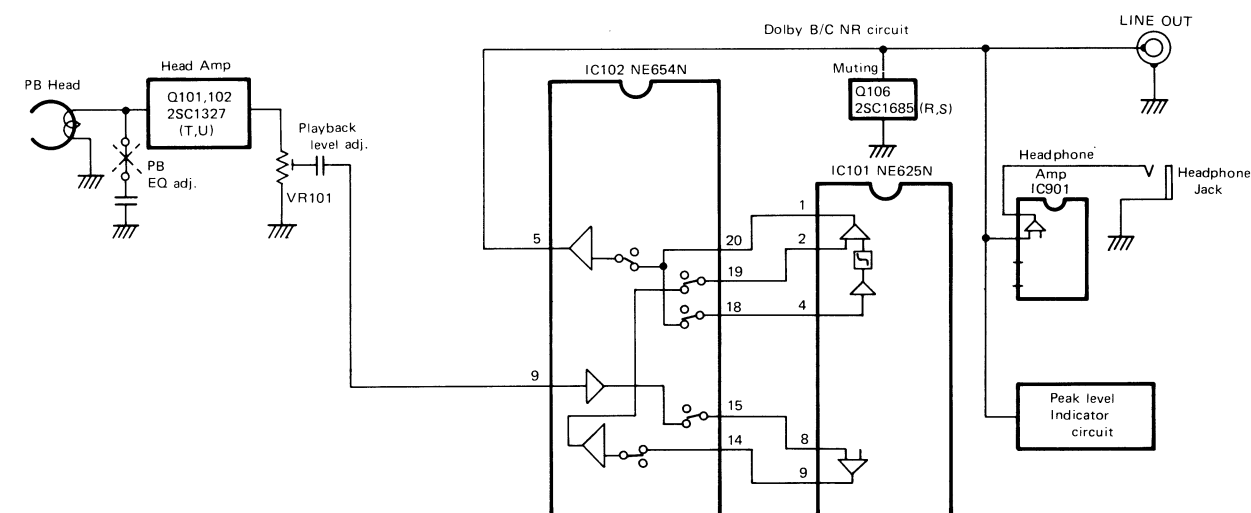


Fig. 12

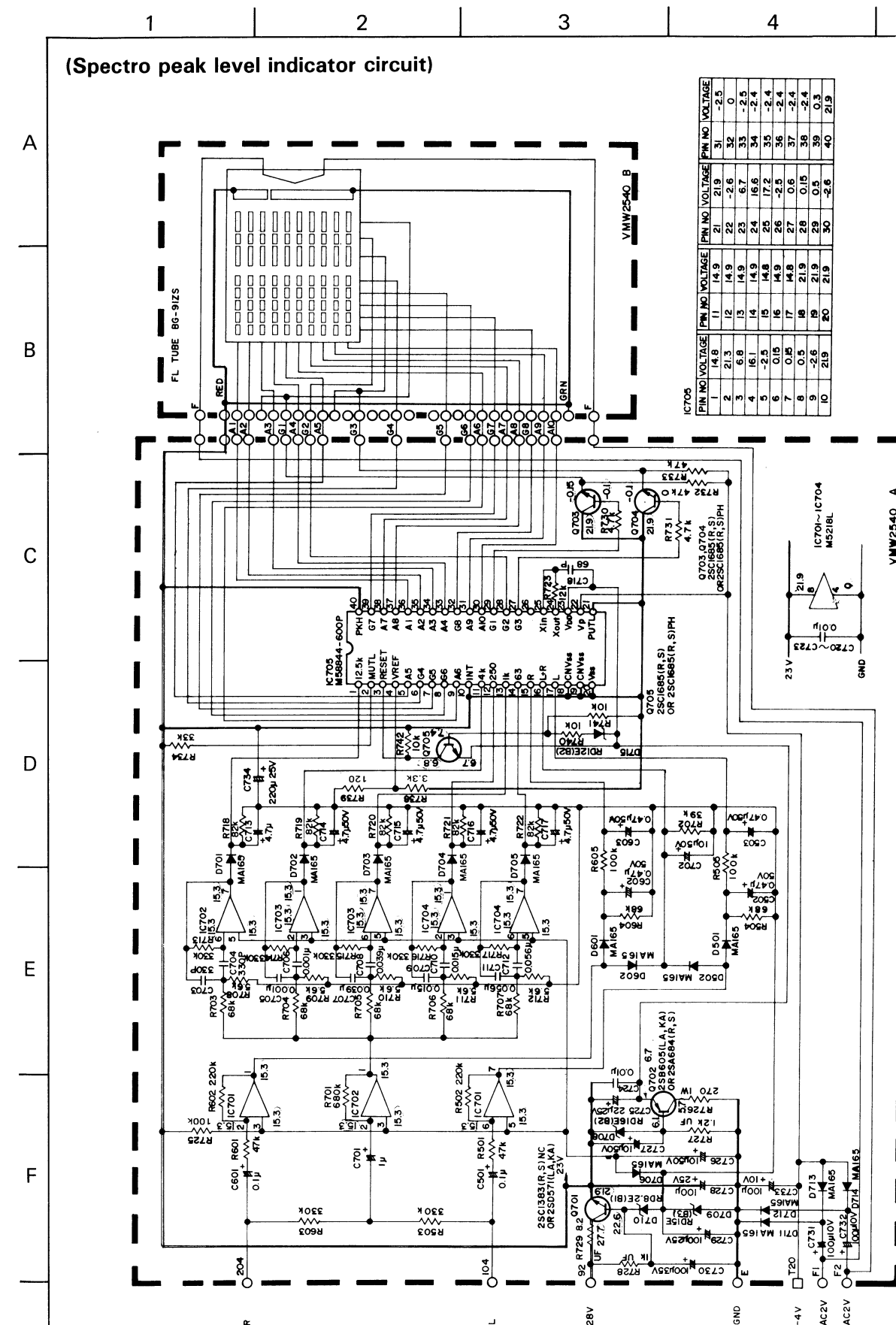


Fig. 13

Wiring Connection

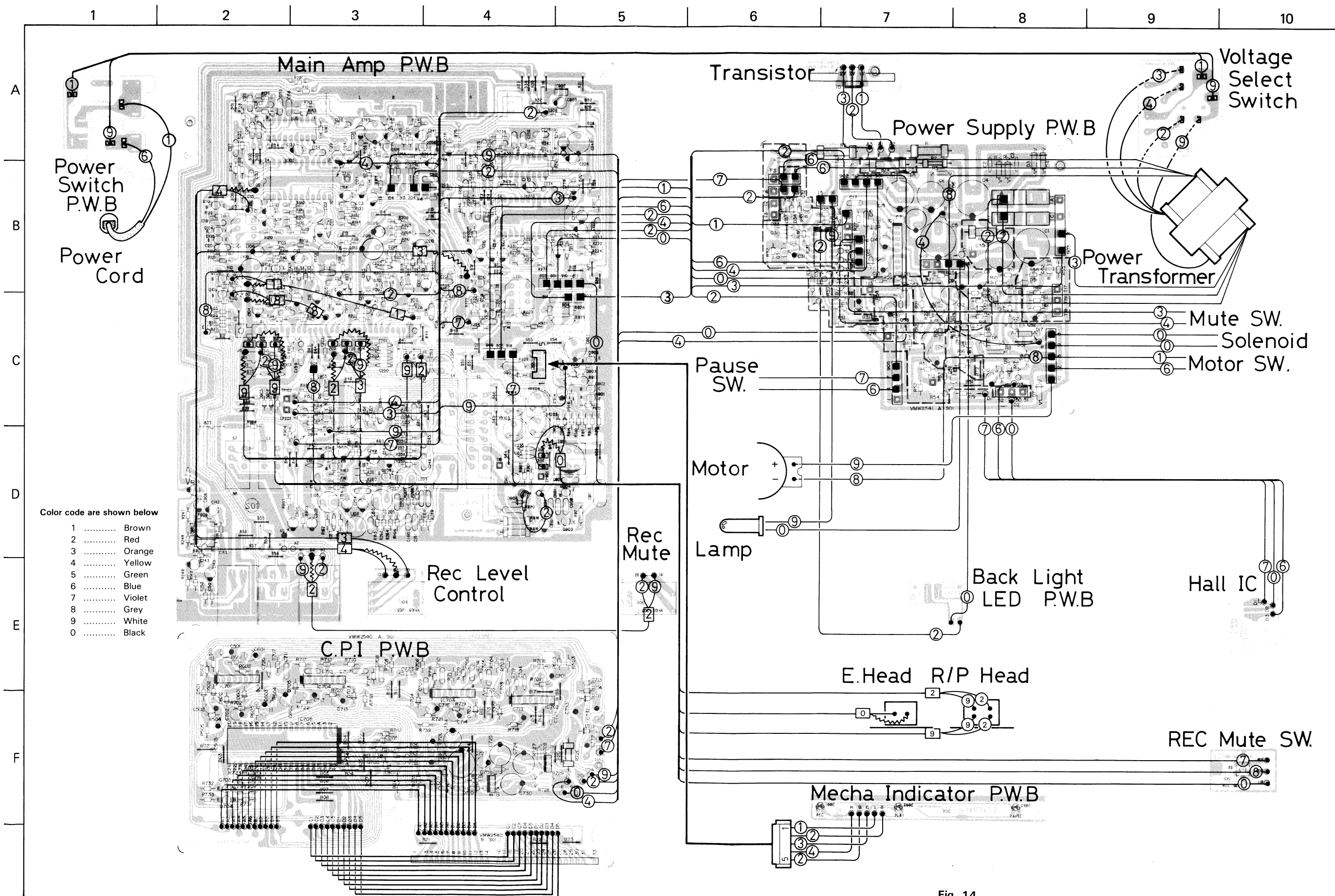
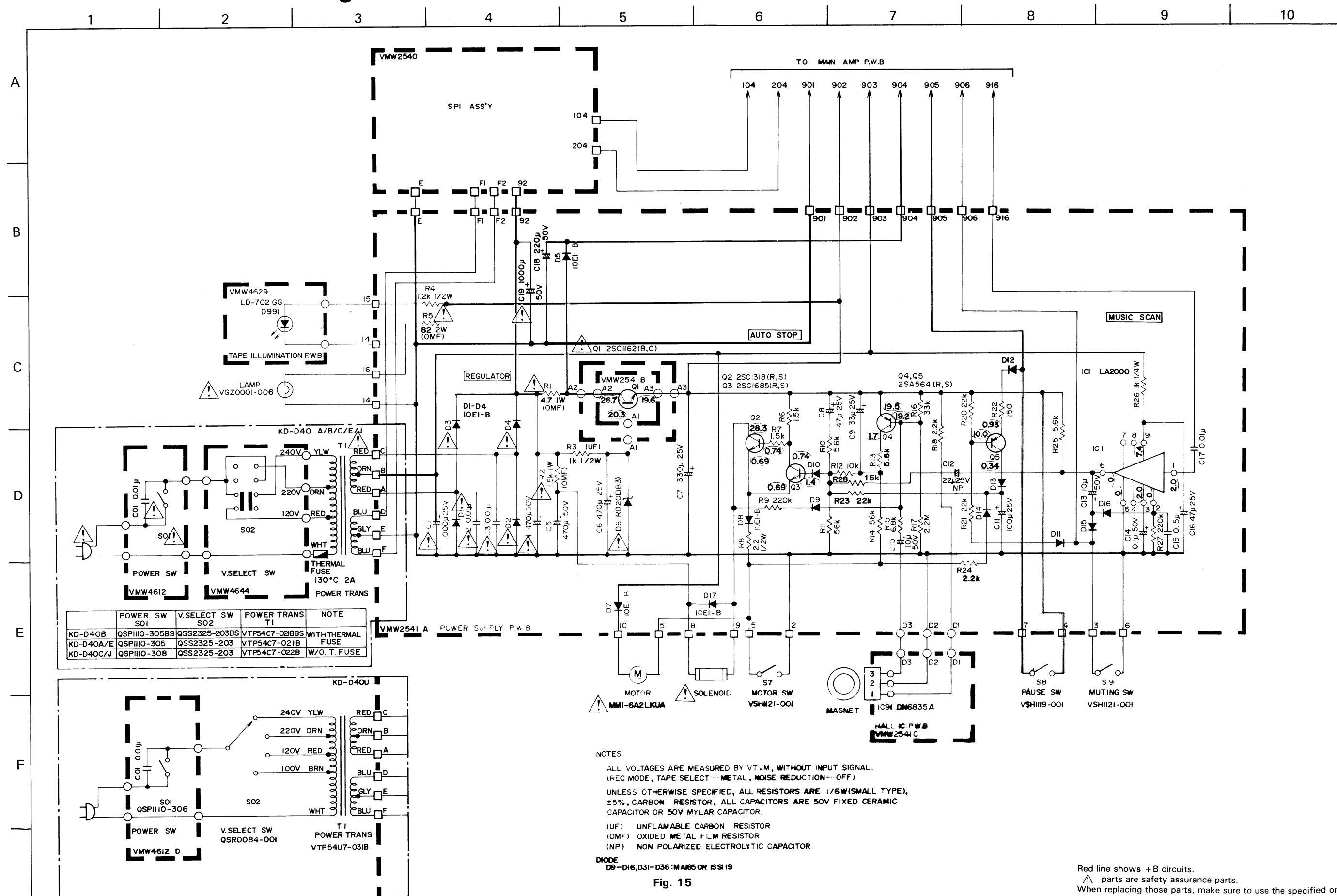


Fig. 14

Standard Schematic Diagram of KD-D40 (Mecha. control circuit)



Standard Schematic Diagram of KD-D40 (Main amplifier circuit)

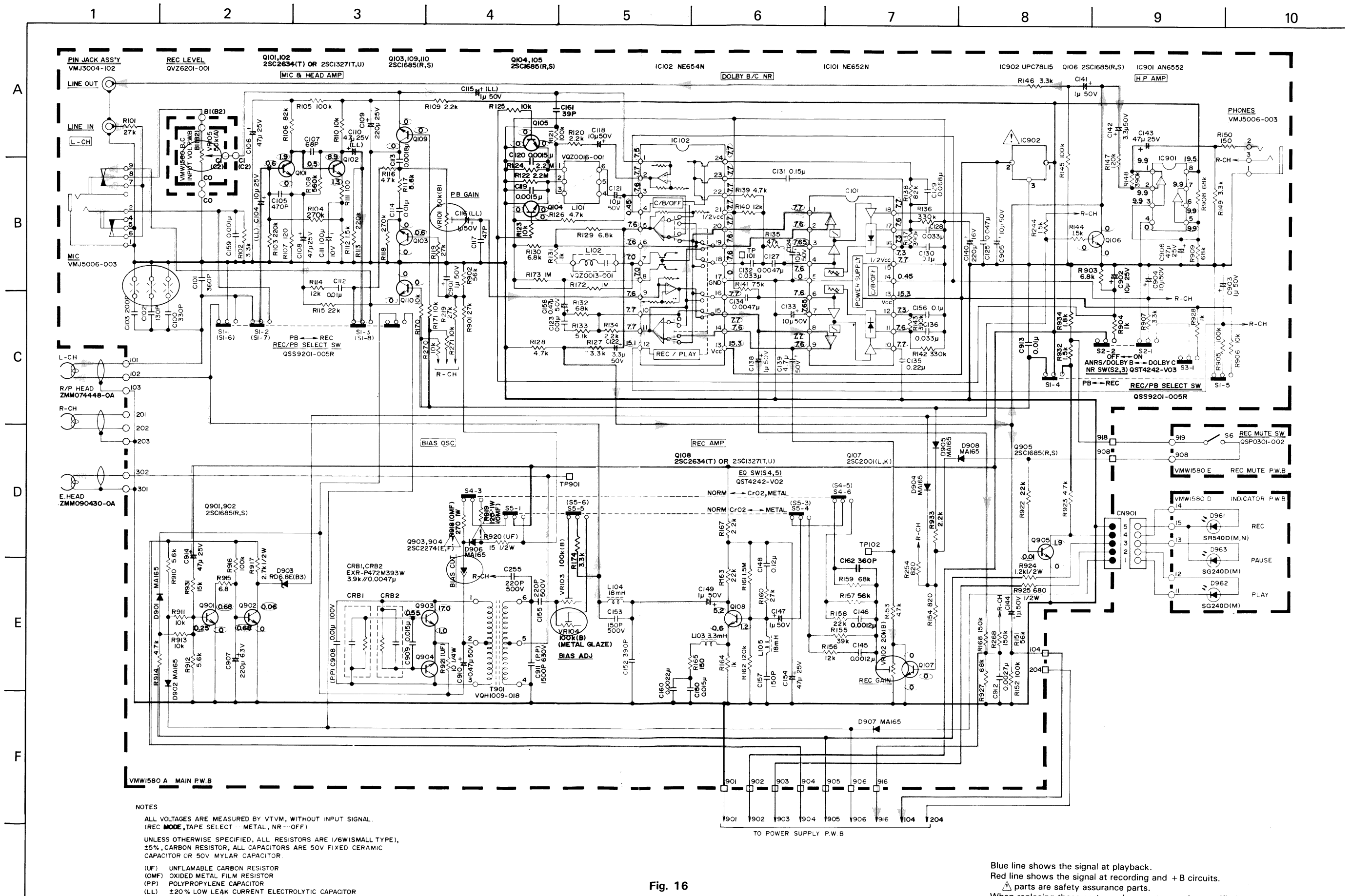


Fig. 16

Enclosure Assembly and Electrical Parts (Except P.W. Board parts)

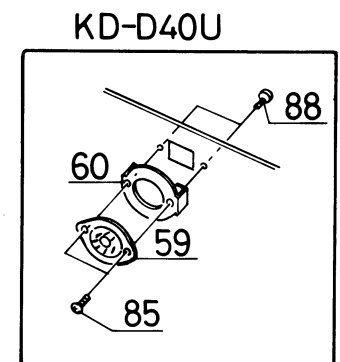
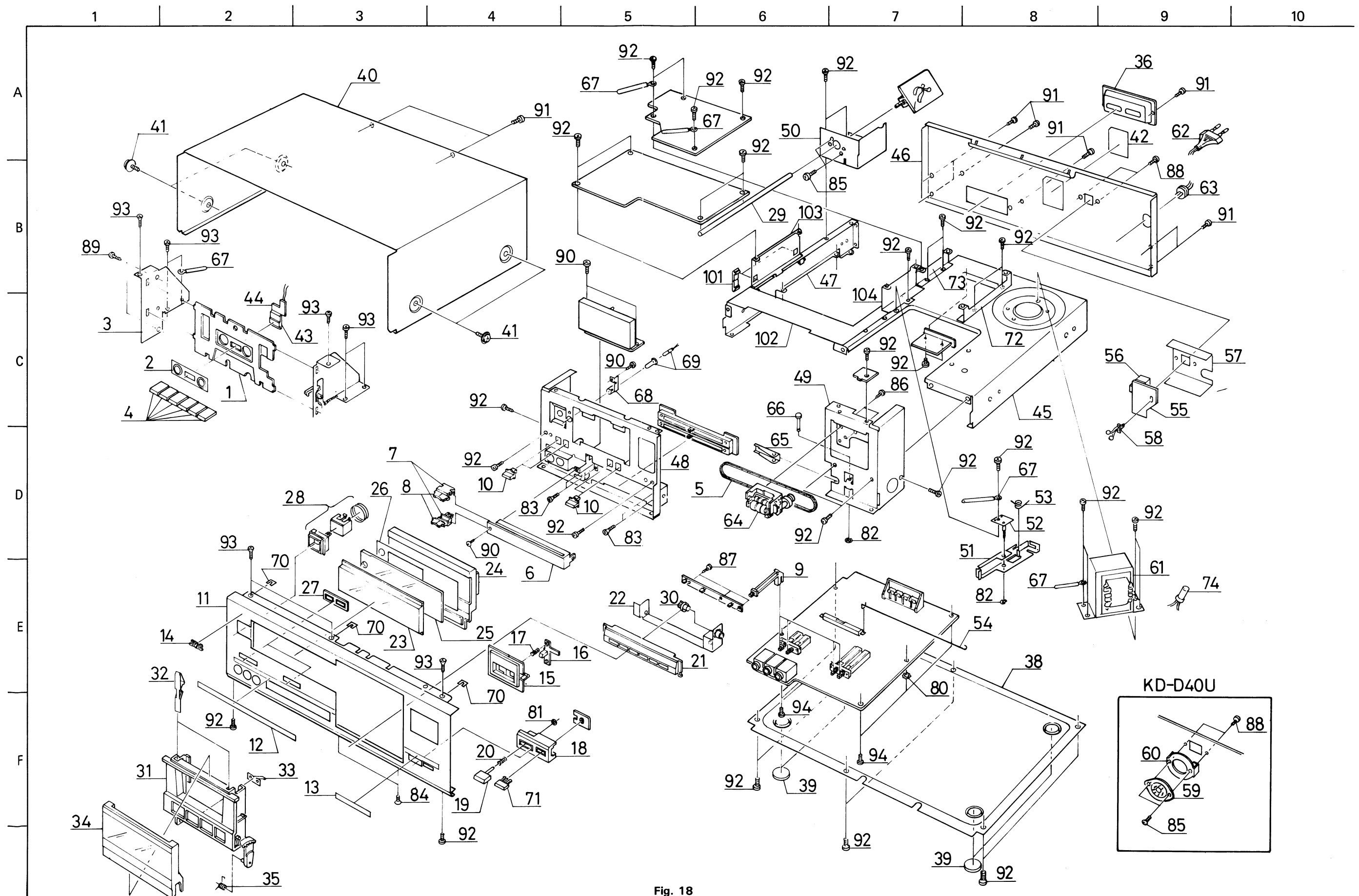
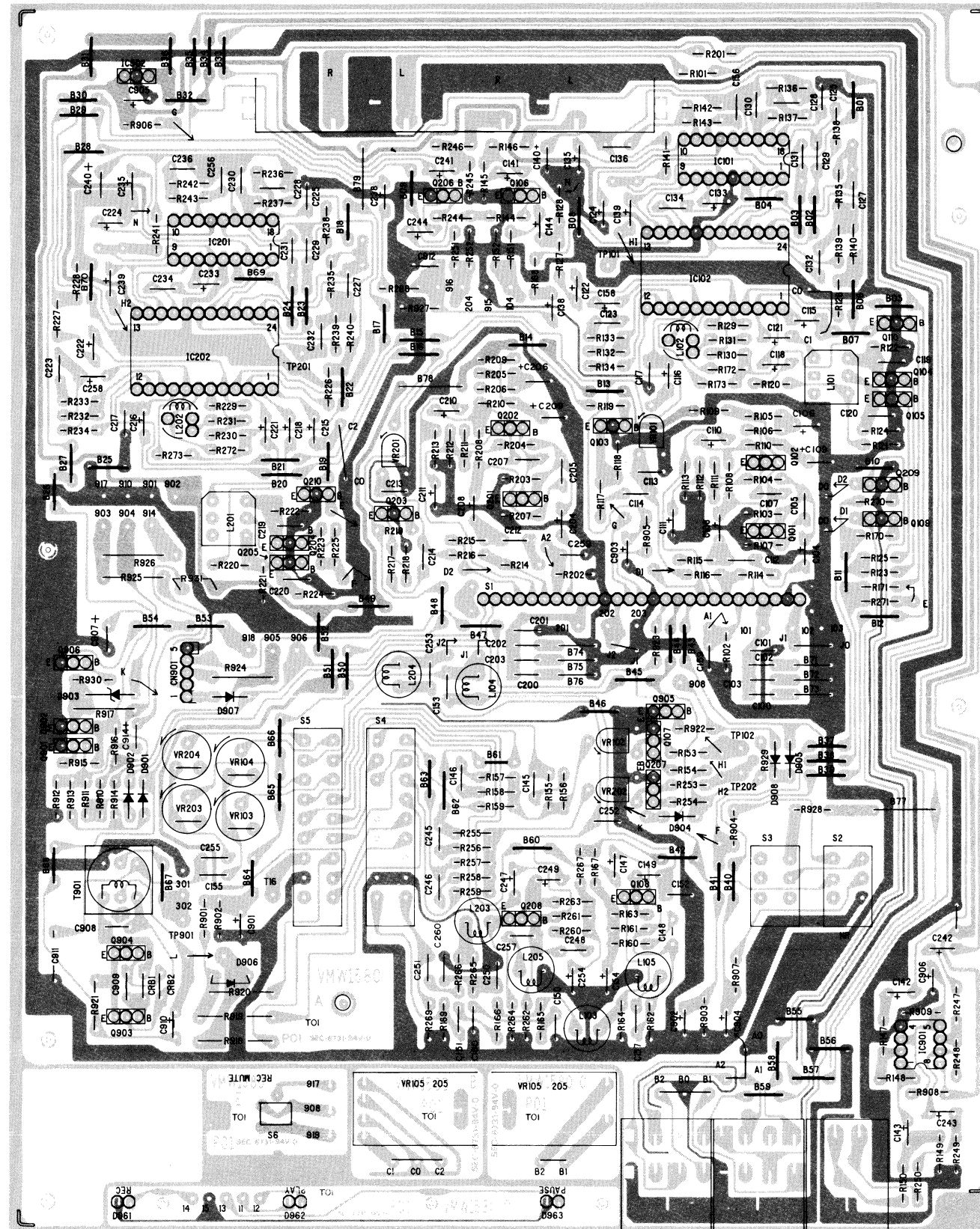


Fig. 18

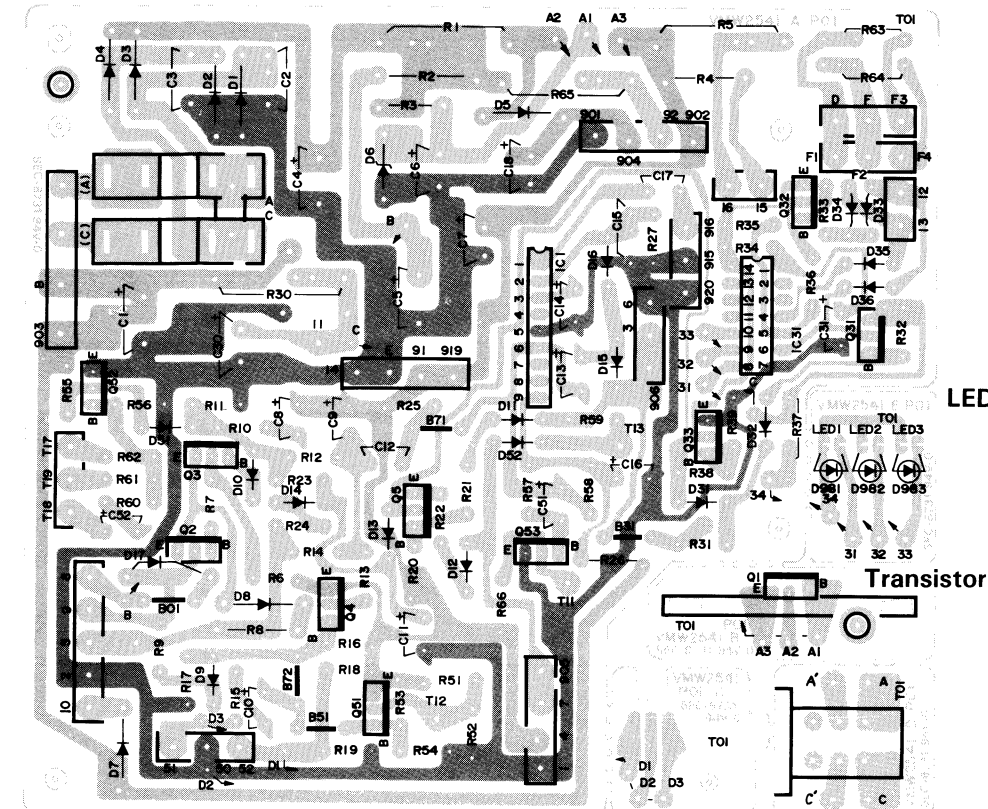
P.W. Board Parts

Main Amplifier



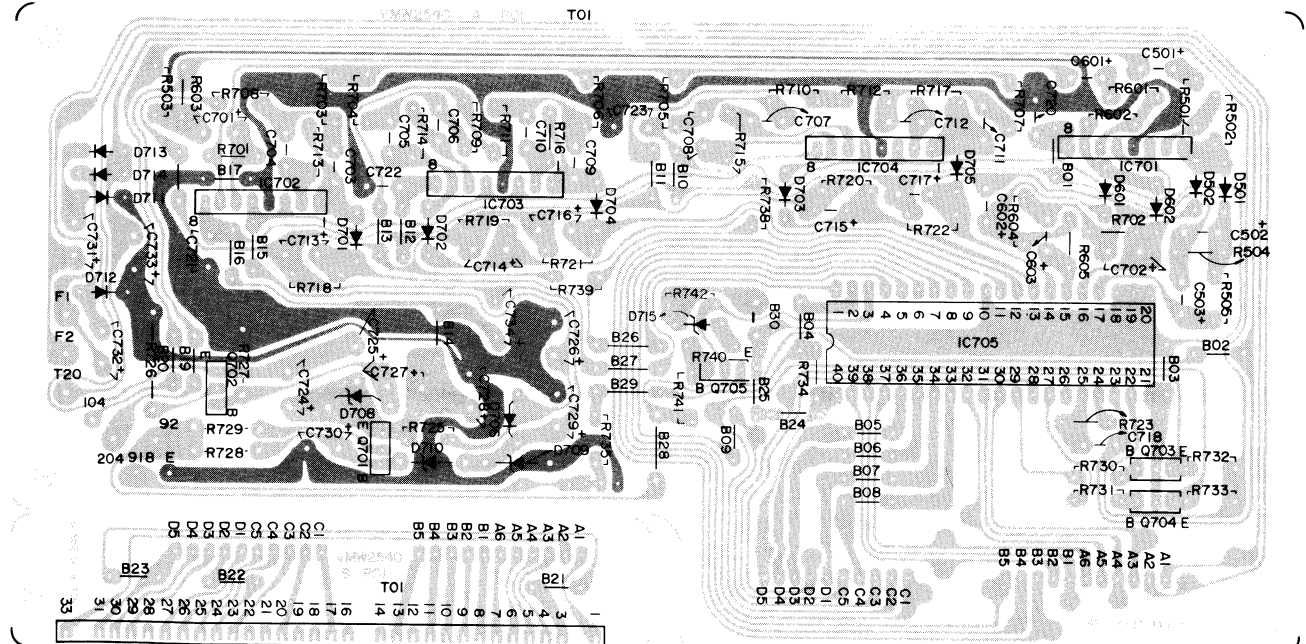
+B
Earth

Power Supply

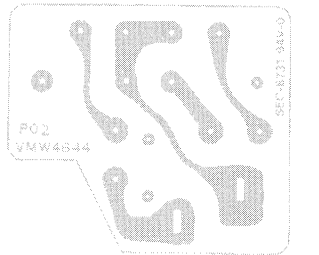


Hall IC

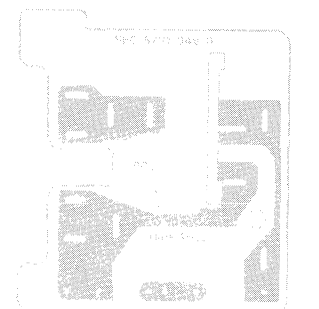
Display (S. P. Indicator)



Voltage Selector



Power Switch



LED

Transistor

Fig. 17

**Enclosure Assembly and Electrical Parts List
(Except P.W. Board Parts)**

△ parts are safety assurance parts.
When replacing those parts, make sure to use the specified one.

Ref. No.	△	Parts No.	Parts Name	Remarks	Q'ty
1		VJD3340-001	Mecha. Cover		1
2		VJD4437-003	Disk Plate		1
3		VKL5257-001	Mecha. Bracket (L)		1
4		VXP4240-001	Push Button	Mecha.	6
5		VKB3000-053	Belt	Tape Counter	1
6		VJD3339-001	Blind		1
7		VKS3159-001	Volume Lever		2
8		VXS4072-001	Slide Knob		2
9		VKS3160-002	Remote Bar		4
10		VXP4234-001	Push Button		4
11~15 (18,21) 23~28		ZCKDD40Y-CBF	Front Plate Ass'y		1
11		VJC1236-003	Front Plate		1
12		VJD4593-001	Scale Plate		1
13		VJD4594-002	Plate		1
14		E69212-001	JVC Mark		1
15		VJD3342-001	Counter Escutcheon		1
16		VXP4241-001	Reset Knob		1
17		VKW3001-058	Compression Spring		1
18		VJD3357-001	Button Escutcheon		1
19		VXP4239-001	Push Button	Eject	1
20		VKW3001-063	Compression Spring		1
21		VJD3341-002	Button Case		1
22		VKL5262-00A	Door Bracket Ass'y		1
23		VJK3195-001	Finder		1
24		VJD2191-001	LED Escutcheon		1
25		VJD4617-002	LED Plate		1
26		VJK3198-001	Light Lens		1
27		VJD4592-001	Button Escutcheon		2
28		E69189-002	Push Knob Ass'y		1
29		VKS4003-011	Pipe		1
30		VYH4460-001	Gear		1
31		VJT2073-001	Cassette Door		1
32		VKY4273-001	Cassette Spring		1
33		VKY4252-002	"		1
34		VJT3089-001	Cassette Lid		1
35		VKW4365-001	Holder Spring		1
36		VJD3311-001	Jack Escutcheon		1
38		VJC2075-001	Bottom Cover		1
39		VJF4003-002	Foot		4
40		VJC2076-001	Top Cover		1
41		VKZ3001-002	Special Screw		4
42		VYN2101-002PA	Name Plate	KD-D40B	1
		" -003PA	"	KD-D40A	1
		" -004PA	"	KD-D40C	1
		" -005PA	"	KD-D40E	1
		" -006PA	"	KD-D40J	1
		" -007PA	"	KD-D40U	1
43		LD-702	LED		1
44		VMW4629-001	P.W. Board		1
45		VKL1217-001	Amp. Chassis		1
46		VJC2074-003	Rear Panel		1
47		VKL3383-001	Angle		1
48		VKL2160-003	Front Bracket (L)		1
49		VKL3384-002	" (R)		1
50		VKL3387-001	Power Bracket		1
51		VKL3395-001	Rec. Arm		1
52		VKL5260-00B	Rec. Bracket Ass'y		1
53		VKW4363-002	Spring		1
54		VKW4364-002	Rec. Wire		1
55		VMW4644-001	P.W. Board	Voltage Select SW KD-D40A/B/C/E/J	1
56	△	QSS2325-203BS	Slide Switch	KD-D40B	1
	△	" -203	"	KD-D40A/C/E/J	1
57		VMA4151-001	Insulator	for V.S. Switch	1
58		VKS4354-001	Wire Clamp	KD-D40A/B/C/E/J	1
59	△	QSR0084-001	V. Select Switch	KD-D40U	1

Ref. No.	△	Parts No.	Parts Name	Remarks	Q'ty
60		VKL4275-001	Bracket	KD-D40U	1
61	△	VTP54C7-021BBS	Power Transformer	KD-D40B	1
	△	VTP54C7-021B	"	KD-D40A/E	1
	△	VTP54C7-022B	"	KD-D40C/J	1
	△	VTP54U7-031B	"	KD-D40U	1
62	△	QMP9017-008BS	Power Cord	KD-D40B	1
	△	QMP2560-200	"	KD-D40A	1
	△	QMP1200-200	"	KD-D40C/J	1
	△	QMP3900-200	"	KD-D40E	1
	△	QMP7600-200	"	KD-D40U	1
63	△	QHS3876-162BS	Strain Relief	KD-D40B	1
	△	" -162	"	KD-D40A/C/E/J/U	1
64	△	VKC5160-001T	Tape Counter		1
65		VKL5258-001	Eject Lever		1
66		VKH4387-001	Shaft		1
67		VKZ4001-011	Wire Holder		2
68		VKL5276-001	Lamp Holder		1
69	△	VGZ0001-006	Lamp Ass'y		1
70		T47818-002	Spacer		4
71		VXP4258-001	Push Button	Rec. Mute	1
72		VKL5268-001	Bracket (A)		1
73		VKL5269-001	Bracket (B)		1
74		TAW000504-01	Connector	KD-D40U	1
75		VYSA1R4-050	Spacer		1
78		VYSR106-007	Spacer		1
79		VYSA1R6-042	"		1
80		WBS3000	Washer		1
81		REE2500	E Ring	Eject Escutcheon	1
82		REE3000	"	Rec. Bracket x 1, Eject Lever x 1	2
83		SSSP2604Z	Screw	Input Vol. P.W.B.	4
84		LPSP2606Z	"	Door Bracket Ass'y	2
85		LPSP3006Z	"	Power Switch P.W.B. x 2	4
				Voltage Select Switch x 2 (KD-D30U)	
86		SDSF2606Z	"	Tape Counter	2
87		SDSF2608Z	"	Button Escutcheon x 1	4
				P.W.B. x 3	
88		SDSP3006R	"	V. Select Switch	2
89		SDST2604Z	"	Mecha. Bracket x 2	3
				Lamp Ass'y x 1	
90		SDST2606Z	"	Lamp holder x 1,	3
				FL tube P.W.B. x 2	
91		SDST3006R	"	Jack Escutcheon x 1	9
				Rear Panel x 3	
				Angle x 2, Top Cover x 2	
				Power Bracket x 1	
92		SDST3006Z	"	Hall IC x 1	29
				Front Plate x 2	
				Bottom Cover x 6	
				Front Bracket (L) x 3	
				Front Bracket (R) x 3	
				Power Bracket x 1	
				Power Transformer x 4	
				Bracket (A) x 2	
				Bracket (B) x 2, Bracket x 1	
				Power Supply x 4	
				Power Transistor P.W.B. x 2	
				Wire Holder x 2	
				Front Plate x 3 Mecha. x 6	
				Main P.W.B	
93		SSST3006Z	"		9
94		SDST3008Z	"		5
101		VKS30001-001	Hinge		2
102		VMA4128-001	Shield Board		1
103		VKL5277-001	SPI Bracket (L)		1
104		VKL5278-001	SPI Bracket (R)		1

Mechanical Component Parts

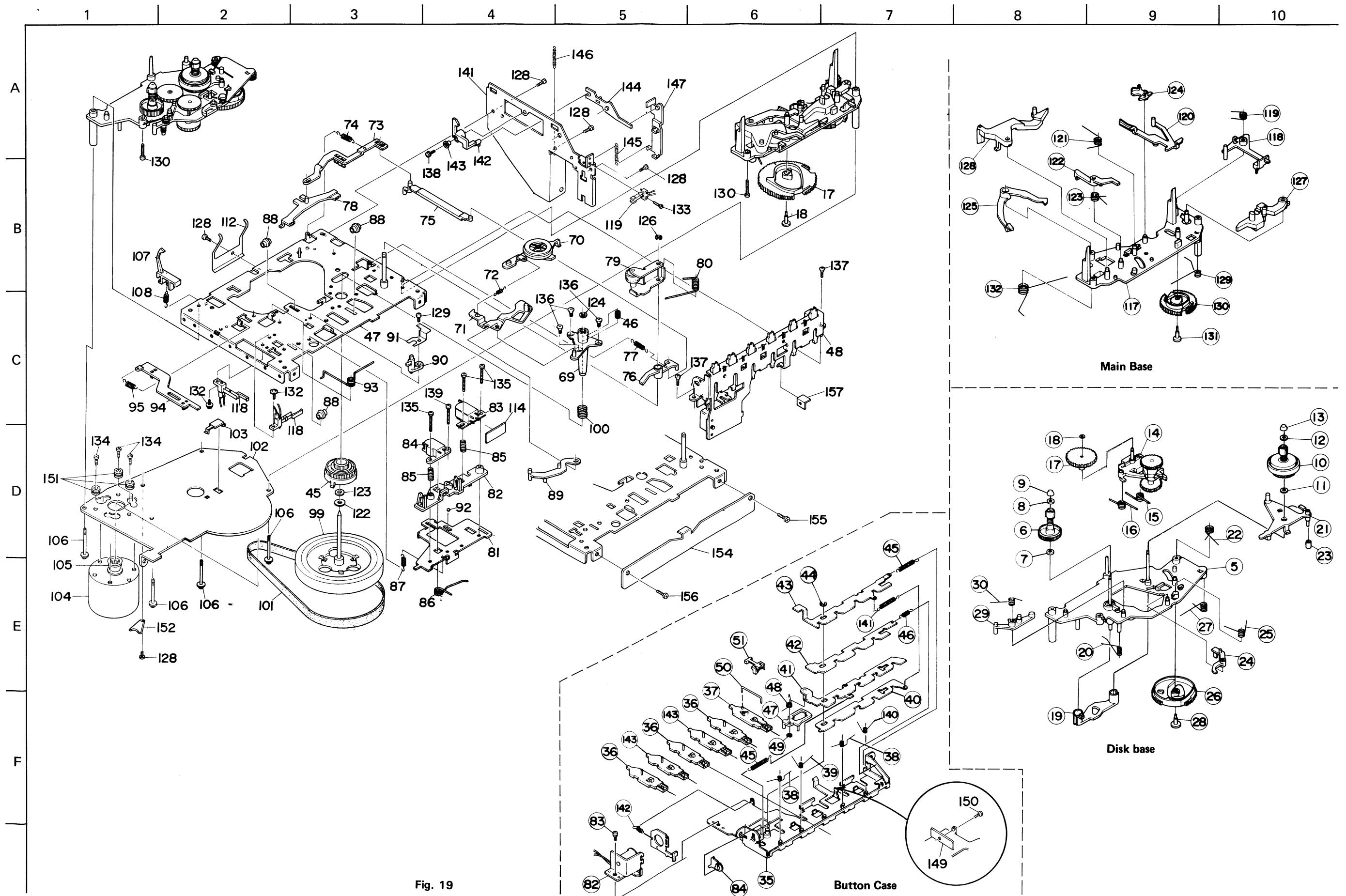


Fig. 19

Mechanical Component Parts List

Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
1	VKS2115-001	Main Base		1
2	VKS4400-001	Pause Trigger		1
3	VKW3006-026	Spring	Pause Trigger	1
4	VKS4401-001	FF Lever		1
5	VKW3006-027	Spring	FF Lever	1
6	VKS4402-001	Play Trigger		1
7	VKW3006-028	Spring	Play Trigger	1
8	VKS4403-002	FR Safety		1
9	VKS4404-001	Rew Lever		1
10	VKW3006-029	Spring	Rew Lever	1
11	VKS4405-00A	Pause Arm Ass'y		1
12	VKS4483-00A	Play Arm Ass'y		1
13	VKW4333-001	Spring	Pause Cam	1
14	VKS3147-001	Pause Cam		1
15	VKS4410-002	Lock Bush	Pause Cam	1
16	VKW4334-001	Spring	Play Cam	1
17	VKS4411-002	Play Cam		1
18	VKS4410-002	Lock Bush	Play Cam	1
20	VKS2117-00A	Disk Base Ass'y		1
21	VKR4265-00A	Supply Reel Ass'y		1
22	VKZ4003-003	Felt	Back Tension	1
23	VKR4170-001	Ring		1
24	VKS4131-001	Reel Stopper		1
25	VKR4267-00A	Take-up Reel Ass'y		1
26	VKR4170-001	Ring		1
27	VKS4131-001	Reel Stopper		1
28	VKS3148-00A	FR Base Ass'y		1
29	VKW3006-031	Spring	FF	1
30	VKW3006-032	Spring	REW	1
31	VKR4271-001	Rew. Gear		1
32	VKZ4004-001	Special Washer	Rew Gear	1
33	VKS4413-001	FR Stopper		1
34	VKW3006-033	Spring	FR Base	1
35	VKS4414-00A	FR Arm Ass'y		1
36	VKW3006-034	Spring	FR Arm	1
37	VKH3000-045	Collar	"	1
38	VKS4416-002	FR Trigger		1
39	VKW3006-035	Spring	FR Trigger	1
40	VKS4417-001	FR Cam		1
41	VKW3006-036	Spring	FR Cam	1
42	VKS4410-002	Lock Bush		1
43	VKS4418-001	Return Lever		1
44	VKW3006-045	Spring	Return Spring	1
45	VKR4272-00A	FW. Gear Ass'y		1
46	VKR4276-001	Roller		1
47	VKL3352-00A	Chassis Bass Ass'y		1
49	VKL3354-00A	Button Case Ass'y		1
50	VKS4420-00A	Button Ass'y		3
51	VKS4420-00C	"		2
52	VKS4493-00A	Pause Button Ass'y		1
53	VKW4345-002	Spring		1
54	" -001	"		1
55	VKW4326-001	"		2
56	VKL3355-002	Rec Cam		1
57	VKL5125-00A	Main Cam Ass'y		1
58	VKL3357-002	Sub Cam		1
59	VKL3358-001	Switch Cam		1
60	VKW3002-094	Tension Spring	Switch Cam ~ Main Cam	2
61	" -100	"	Switch Cam ~ Rec. Cam	1

Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
62	VKW3002-095	Tension Spring	Sub Cam	1
63	VKS4422-001	Select Arm		1
64	VKW4340-001	Spring	Select Arm	1
65	VKW4327-002	Wire		1
66	VKS4423-001	Wire Stopper		1
69	VKF4115-00A	Capstan Metal Ass'y		1
70	VKS4424-00A	Take-up Idler Ass'y		1
71	VKS4427-001	Pause Arm		1
72	VKW3002-096	Tension Spring	Take-up	1
73	VKS4428-003	Brake Arm (1)		1
74	VKW3002-097	Tension Spring	Brake Arm (1)	1
75	VKS4429-001	Brake Lever		1
76	VKS4430-002	Brake Arm (2)		1
77	VKW3002-097	Tension Spring	Brake Arm (2)	1
78	VKS4431-002	Brake		1
79	VKP4121-00A	Pinch Roller Arm Ass'y		1
80	VKW4356-001	Pinch Roller Spring		1
81	VKL3359-002	Slide Base		1
82	VKS2119-001	Head Mount Base		1
83	ZMM074448-0A	R/P Head Ass'y		1
84	ZMM090430-0A	E Head Ass'y	R/P & E. Head	1
85	VKW3001-020	Compression Spring		2
86	VKW4342-002	Slide Base Spring		1
87	VKW3002-099	Tension Spring		1
88	VKS4432-002	Roller		3
89	VKS4433-001	Switch Arm		1
90	VKS4434-001	Cassette Guide		1
91	VKY4238-001	Spring Plate		1
92	T41615-004	Stell Ball		1
93	VKW4341-001	Spring	Slide Base	1
94	VKS4435-003	Rec Lever		1
95	VKW3002-011	Tension Spring		1
96	VGP0601-013	Solenoid Ass'y		1
97	VKW3002-043	Tension Spring		1
98	VKS4436-001	Rec Arm		1
99	VKF3120-00A	Flywheel Ass'y		1
100	VKW3001-010	Spring	Thrust	1
101	VKB3001-011	Belt	Capstan	1
102	VKL3402-001	F.M. Bracket		1
103	VKS4437-001	Thrust Plate		1
104	MMI-6A2LKUA	D.C. Motor		1
105	VKS4139-002	Motor Pulley		1
106	VKZ4014-001	Special Screw		4
107	VKS4438-002	Rec. Safety Arm		1
108	VKW3002-039	Tension Spring	Rec S. Arm	1
111	VKS4492-00A	Rec. Arm Ass'y		1
112	VKY4239-001	Pack Spring		1
113	VKS4490-001	Select Arm		1
114	VMW4647-001	Printed Wiring Board	for REC/PB Head	1
115	VKW3006-049	Spring		1
116	VKW4374-002	"		1
118	VSH1121-001	Leaf Switch		2
119	VSH1119-001	"		1
121	Q03093-838	Washer		1
122	" -627	"	Thrust	1
123	" -827	"	"	1
124	" -522	"	Oil Cut	1
125	REE1500	E. Ring	Select Arm x 1	2
126	REE2500	"	Rec. Arm Unit x 1	
			Switch Cam x 1	2
			Pinch Roller Ass'y x 1	

Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
128	HPST2604Z	Screw	Solenoid Ass'y x 1 Pack Spring x 1 Rubber Stopper x 1	3
129	HPST2606Z	"	Stell Ball	1
130	HPST2612Z	"	Main Base x 1, Disk Base x 1	2
132	SBSB2006Z	"	Leaf Switch	2
133	SDSP2006Z	"	"	1
134	VKZ4109-001	Motor Screw		3
135	SPSX2010N	"	R/P Head x 2, E. Head x 1	3
136	SSST2604Z	"	Capstan Metal Ass'y	3
137	SSST2605Z	"	Button Case	2
138	LPSP2612Z	"	Side Bracket Ass'y	1
139	SPSX2008N	Screw	E. Head	1
141	VKL3399-001	Side Bracket		1
142	VKS4488-001	Lock Arm		1
143	VKH3001-054	Flange Collar		1
144	VKS4487-001	Connecting Lever		1
145	VKW3002-063	Tension Spring	E. Button	1
146	" -034	"	E. Lever	1
147	VKS4480-001	Eject Button		1
148	VKH3000-053	Collar		1
149	VKL5256-002	Bracket		1
150	SPSK1425M	Screw		1
151	VKZ4130-001	Cushion Rubber		3
152	TFB345469-01	Rubber Stopper		1
154	VKL5295-001	Stopper		1
155	SSSP3004Z	Screw		1
156	SDSP3004Z	Screw		1
157	VKL5199-002	Plate		1

Main Amp. P.W. Board Parts List

△ parts are safety assurance parts.

When replacing those parts, make sure to use the specified one.

Ref. No.	△	Parts No.	Parts Name	Remarks	Q'ty
R101,201,119 219,160,260 901		QRD161J-273	C. Resistor	27 kΩ 1/6 W	7
R102,202,127 227,146,246 149,249,907 927,174,274		" -332	"	3.3 kΩ "	12
R103,203,105 205,121,221 145,245,152 252,905,916		" -104	"	100 kΩ "	12
R104,204		" -274	"	270 kΩ "	2
R106,206,138 238		" -823	"	82 kΩ "	4
R107,207		" -121	"	120 Ω "	2
R108,208		" -564	"	560 Ω "	2
R172,272,173 273		" -105	"	1 MΩ "	4
R109,209,120 220,134,234 167,267,933		" -222	"	2.2 kΩ "	9
R110,210,123 223,125,225, 170,270,171 271,906,911 913		" -103	"	10 kΩ "	13
R111,211		" -101	"	100 Ω "	2
R112,212,144 244,932		" -152	"	1.5 kΩ "	5
R113,213		" -224	"	220 kΩ "	2
R114,214,140 240,931		" -123	"	12 kΩ "	5
R115,215		" -223	"	22 kΩ "	2
R116,216,126 226,128,228 139,239,153 253,163,263 914,923,158 258		" -472	"	4.7 kΩ "	16
R117,217,910 912		" -562	"	5.6 kΩ "	4
R118,218		" -274	"	270 kΩ "	2
R122,222,124 224		QRD143J-225S	"	2.2 MΩ "	4
R129,229,130 230,903,156 256		QRD161J-682	"	6.8 kΩ "	7
R131,231,164 264,904,928		" -102	"	1 kΩ "	6
R132,232,908 909,159,259		" -683	"	68 kΩ "	6
R133,233		" -512	"	5.1 kΩ "	2
R135,235,922		" -473	"	47 kΩ "	3
R136,236,142 242		" -334	"	330 kΩ "	4
R137,237,143 243,148,248		" -394	"	390 kΩ "	6
R141,241		" -753	"	75 kΩ "	2
R147,247,162 262		" -124	"	120 kΩ "	4
R150,250		" -151	"	150 Ω "	2
R154,254		" -821	"	820 Ω "	2
R155,255		" -393	C. Resistor	39 kΩ "	1
R156,256		" -123	"	12 kΩ "	1
R168,268		" -154	"	150 kΩ "	2

Ref. No.	△	Parts No.	Parts Name	Remarks		Q'ty
R902,157,257		QRD161J-563	C. Resistor	56 kΩ	1/6 W	3
R915		" -6R8	"	6.8 kΩ	"	1
R917		QRD121J-272	"	2.7 kΩ	1/2 W	1
R918	△	QRG019J-271	O.M.F. Resistor	270 Ω	1 W	1
R919	△	" -121	"	120 Ω	"	1
R920	△	QRD129J-150	C. Resistor	15 Ω	1/2 W	1
R921		QRD149J-100S	"	10 Ω	1/4 W	1
R922		QRD161J-223	C. Resistor	22 kΩ	1/6 W	1
R924		QRD121J-122	"	1.2 kΩ	1/2 W	1
R925		" -681	"	680 Ω	"	1
R934		QRD161J-182	C. Resistor	1.8 kΩ	1/6 W	1
C100,200		QCS31HJ-331Z	F.C. Capacitor	330 pF	50 V	1
C101,201		QCS21HJ-361	"	360 pF	"	1
C102,202		QCS21HJ-131	"	130 pF	50 V	1
C103,203		QCS21HJ-201	"	200 pF	50 V	1
C104,204		QEB41EM-106	E. Capacitor (Low Leak)	100 μF	25 V	2
C105,205		QCS11HJ-471	C. Capacitor	470 pF	50 V	2
C106,206,108 208,906,914		QET41ER-476	E. Capacitor	47 μF	25 V	5
C107,207		QCS11HJ-680	C. Capacitor	68 pF	50 V	2
C109,209		QET41ER-227N	E. Capacitor	220 μF	25 V	2
C110,210		QEB41EM-475	E. Capacitor (Low Leak)	4.7 μF	"	2
C111,211		QET41AR-107	E. Capacitor	100 μF	10 V	2
C112,212		QFM41HJ-103	M. Capacitor	0.01 μF	50 V	2
C113,213		" -182	"	0.0018 μF	"	2
C114,214,123 223		" -103	"	0.01 μF	"	4
C115,215,116 216		QEB41HM-105	E. Capacitor (Low Leak)	1 μF	"	4
C117,217		QCS11HJ-470	C. Capacitor	47 pF	"	2
C118,218,121 221,124,224 133,233,904 905		QET41HR-106	E. Capacitor	10 μF	"	10
C119,219,120 220		QFM41HJ-152	Mylar Capacitor	0.0015 μF	"	4
C122,222,142 242		QET41HR-335	E. Capacitor	3.3 μF	"	4
C125,225		QFM41HJ-473	Mylar Capacitor	0.047 μF	"	2
C127,227,134 234		" -472	"	0.0047 μF	"	4
C128,228,132 232,136,236		" -333	"	0.033 μF	"	6
C129,229		" -683	"	0.068 μF	"	2
C130,230,156 256		" -104	"	0.1 μF	"	4
C131,231		" -154	"	0.15 μF	"	2
C135,235		QFN81HJ-224	E. Capacitor (Low Leak)	0.22 μF	"	2
C138,238,141 241,147,247 149,249,901 903		QET41HR-105	E. Capacitor	1 μF	"	10
C139,239		" -475	"	4.7 μF	"	2
C140,240		QET41CR-227N	"	220 μF	16 V	2
C143,243,154 254		QET41ER-476	"	47 μF	25 V	4
C145,245		QFN31HJ-122	Mylar Capacitor	0.0012 μF	50 V	1
C146,246		" -122	"	"	"	1
C148,248		QFM41HJ-124	Mylar Capacitor	0.12 μF	"	2
C150,250		" -153	"	0.015 μF	"	2

Ref. No.	△	Parts No.	Parts Name	Remarks	Q'ty
C152,252		QCS11HJ-391	C. Capacitor	390 pF 50 V	2
C153,253,157		" -151	"	150 pF "	2
C155,255		QCY41HK-221	"	220 pF "	2
C158,258,910		QET41HR-474	E. Capacitor	0.47 μ F "	3
C159,259		QFM41HJ-102	Mylar Capacitor	0.001 μ F "	2
C161,261		QCS21HJ-390	F.C. Capacitor	39 pF "	2
C162,262		QCS11HJ-361	"	360 pF "	2
C902		QET41HR-106	E. Capacitor	10 μ F 25 V	1
C907		QET40JR-227N	"	220 μ F 6.3 V	1
C908		QFP82AJ-103	P.P. Capacitor	0.01 μ F 100 V	1
C909		QFM41HJ-153	Mylar Capacitor	0.015 μ F 50 V	1
C911		QFP82XJ-152	P.P. Capacitor	0.015 μ F	1
C912		QFM41HJ-272	Mylar Capacitor	0.0027 μ F 50 V	1
C913		QCF21HP-103	C. Capacitor	0.01 μ F "	1
C914		QET41ER-476N	E. Capacitor	47 μ F 25 V	1
CRB1,2		EXR-P472M393W	C.R. Block		2
VR101,201		QVP8A0B-054	V. Resistor	50 k Ω	2
VR102,202		" -024	"	20 k Ω	2
VR103,203		QVP4A0B-104	"	100 k Ω	2
VR104,204		QVZ3501-104	"	100k Ω	2
L101,201		VQZ0016-001	Filter		2
L102,202		VQZ0013-001	"		2
L103,203		VQP0001-332S	Inductor		2
L104,204,105		" -183S	"		4
205					
T901		VYH4514-001D	Shield Case		2
		VQH1009-018	OSC Coil		1
		VYH4514-002	Shield Case		1
IC101,201		NE652N	IC	Dolby	2
IC102,202		NE654N	"	"	2
IC901		AN6552	"		1
IC902		UPC78L15	"		1
Q101,201,102	△	2SC1845(E,U)	Si. Transistor	or 2SC1327(T,U)	4
202					
Q103,203,104		2SC1685(R,S)PH	"	or 2SC1685(R,S)	15
204,105,205					
106,206,109					
209,110,210					
901,902,905					
Q107,207		2SC2001(L,K)	"		2
Q108,208		2SC2634(T)	"		2
Q903,904		2SC2274(E,F)	"	or 2SC1318(R,S)	2
D901,902		1SS119-14TE	Si. Diode	or MA165-TA5	7
904~908					
D903		RD6.8E(B3)	"		1
S1		QSS9201-005R	Slide Switch	for Rec/PB	1
S2,3		QST4242-V03	Push Switch	for NR	1
S4,5		" -V02	"	for EQ	1
		VMJ5006-003	Jack Ass'y	for MIC, H.P	1
		VMJ3004-102	PIN Jack Ass'y		1
		VMZ0016-003	Tab Ass'y		2
		" -004	"		2
		VMZ0005-001	Post Pin		1
		E43727-002	Tab		6
CN901		QMV5005-005	Plug Ass'y		1

Display P.W. Board Parts List

△ parts are safety assurance parts.

When replacing those parts, make sure to use the specified one.

Ref. No.	△	Parts No.	Parts Name	Remarks	Q'ty
		VMW2540-***B	P.W. Board		1
		BG-91ZS	FL Tube		1
		VMW2540-***A	P.W. Board		1
R501,601		QRD161J-473	C. Resistor	47 kΩ 1/6 W	2
R502,602		" -224	"	220 kΩ "	2
R503,603		" -334	"	330 kΩ "	7
713~717					
R504,604		" -683	"	68 kΩ "	12
703~707					
718~722					
R505,605,725		" -104	"	100 kΩ "	4
R701		" -684	"	680 kΩ "	1
R702		" -393	"	39 kΩ "	1
R708~712		" -562	"	5.6 kΩ "	5
R723		" -822	"	8.2 kΩ "	1
R726		QRG019J-271	O.M.F. Resistor	270 Ω 1 W	1
R727		QRD149J-122	Fail Safety Resistor	1.2 kΩ 1/4 W	1
R728		" -102	"	1 kΩ "	1
R729		" -8R2	"	8.2 Ω "	1
R730,731,738		QRD161J-472	C. Resistor	4.7 kΩ 1/6 W	3
R732,733		" -473	"	47 kΩ "	2
R734		" -333	"	33 kΩ "	1
R739		" -121	"	120 Ω "	1
R740,741		QRD161J-103	"	10 kΩ 1/6 W	2
C501,601		QET41HR-104N	E. Capacitor	0.1 μF 50 V	2
C502,602,503		" -474	"	0.47 μF "	4
603					
C701		" -105	"	1 μF "	1
C702,726,727		" -106	"	10 μF "	3
C703,704		QCS11HJ-331	C. Capacitor	330 pF "	2
C705,706		QFM41HJ-102	M. Capacitor	0.001 μF "	2
C707,708		" -392	"	0.0039 μF "	2
C709,710		" -153	"	0.015 μF "	2
C711,712		" -563	"	0.056 μF "	2
C713~717		QET41HR-475	E. Capacitor	4.7 μF "	5
C718		QCS11HJ-680	C. Capacitor	68 pF "	1
C720~723,724		QCF11HP-103	"	0.01 μF "	5
C725		QET41ER-226	E. Capacitor	22 μF 25 V	1
C729,728		" -107	"	100 μF "	2
C730		QET41VR-107N	"	100 μF 63 V	1
C731,732,733		QET41AR-107	"	100 μF 10 V	3
C734		QET41ER-227	"	220 μF 25 V	1
D501,601,502		1SS119-14TE	Si. Diode	or MA165-TA5	14
602,701~706					
711~714					
D708,709		RD16E(B2)	Zener Diode		2
D710		RD8.2E(B1)	"		1
D715		RD12E(B2)	Zener Diode		1
Q701		2SD571(LA,KA)	Si. Transistor	or 2SC1383(R,S)NC	1
Q702		2SB605(LA,KA)	"	or 2SA684(R,S)	1
Q703,704,705		2SC1685(R,S)	"	or 2SC1685(R,S)PH	3
IC701~704		M5218L	IC		4
IC705		M58844-600P	"		1

Other P.W. Board Parts List

△ parts are safety assurance parts.

When replacing those parts, make sure to use the specified one.

Ref. No.	△	Parts No.	Parts Name	Remarks	Q'ty
(V. Select Switch P.W.B. Ass'y)					
S02		VMW4644-002	P.W. Board	KD-D40A/B/C/E/J	1
		E40130-001	Tab	"	1
		VKS4354-001	Wire Clamp	"	1
		QSS2325-203	Slide Switch	KD-D40A/C/E/J	1
		" -203BS	"	KD-D40B	1
		QSR0084-001	V. Select Switch	KD-D40U	1
(Power Switch P.W.B. Ass'y)					
	△	VMW4612-002	P.W. Board		1
	△	QSP1110-305	Push Switch	KD-D40A/E	1
	△	" -305BS	"	KD-D40B	1
	△	" -308	"	KD-D40C/J	1
	△	" -306	"	KD-D40U	1
	△	QFZ9010-103	M.P. Capacitor	KD-D40A/B/E	1
	△	QCZ9014-103	"	KD-D40C/J	1
	△	QCZ9015-103	"	KD-D40U	1
		E40516-001	Tab	KD-D40A/B/C/E/J	1
		VKS4354-001	Wire Clamp		1
(Input Volume P.W.B. Ass'y)					
VR105,205		VMW1580-***B	P.W. Board		1
		" -***C	"		1
		QVZ6201-001	V. Resistor		1
(Indicator P.W.B. Ass'y)					
D961		VMW1580-***D	P.W. Board		1
D962,963		SR540D(M,N)	L.E.D.	Red	1
		SG240D(M)	"	Green	2
(Rec Mute Switch P.W.B. Ass'y)					
		VMW1580-***E	P.W. Board		1
		QSP0301-002	Push Switch		1
(Power Supply P.W.B. Ass'y)					
R1	△	VMW2541-***A	P.W. Board		1
R2	△	QRG019J-4R7	O.M.F. Resistor	4.7 Ω 2 W	1
R3	△	QRG019J-152	"	1.5 kΩ 1 W	1
R4		QRD129J-102	C. Resistor	1.5 kΩ 1/2 W	1
R5		QRD121J-122	"	1.2 kΩ 1/2 W	1
		QRG029J-820	O.M.F. Resistor	82 Ω 2 W	1
R6,7		QRD161J-152	C. Resistor	1.5 kΩ 1/6 W	2
R8		QRD121J-2R2	"	2.2 Ω 1/2 W	1
R9,27		QRD161J-224	"	220 kΩ 1/6 W	2
R10,13,25		" -562	"	5.6 kΩ "	3
R11,14		" -563	"	56 kΩ "	2
R12		" -103	"	10 kΩ "	1
R15		" -682	"	6.8 kΩ "	1
R16		" -333	"	33 kΩ "	1
R17		QRD143J-225S	"	2.2 MΩ 1/4 W	1
R18,24		QRD161J-222	"	2.2 kΩ 1/6 W	2
R20,21,23		" -223	"	22 kΩ "	3
R22		" -151	"	150 Ω "	1
R26		QRD147J-102S	"	1 kΩ "	1
C1,19	△	QET41ER-108N	E. Capacitor	1000 μF 25 V	2
C2,3	△	QCF11HP-103	C. Capacitor	0.01 μF 50 V	2
C4,5	△	QET41HR-477N	E. Capacitor	470 μf "	2
C6		QET41ER-477N	"	470 μF 25 V	1
C7		" -337N	"	330 μF "	1
C8,16		" -476N	"	47 μF "	2
C9		" -336	"	33 μF "	1
C10,13		QET41HR-106	"	10 μF 50 V	2
C11		QET41ER-107	"	100 μF 25 V	1
C12		QEN41EM-226	N.P.E. Capacitor	22 μF "	1
C14		QET41HR-104N	E. Capacitor	0.1 μF 50 V	1

Ref. No.	△	Parts No.	Parts Name	Remarks	Q'ty
C15		QFM41HJ-154	Mylar Capacitor	0.15 μ F 50 V	1
C17		" -103	"	0.01 μ F "	1
C18		QET41HR-227N	E. Capacitor	220 μ F "	1
C19		QET41HR-108N	"	1000 μ F "	1
IC1		LA2000	IC		1
Q2		ZSC1318(R,S)	Transistor		1
Q3		2SC1685(R,S)PH	"	or 2SC1685(R,S)	1
Q4,5		2SA1015(GR)	"	or 2SA564(R,S)	2
D1~5,7,8,17	△	10E1-B	Si. Diode		8
D6	△	RD20E(B3)	Zener Diode		1
D9~16		1SS119-14TE	Si. Diode	or MA165-TA5	8
		VMZ0016-102	Tab Ass'y		2
		" -002	"		4
		" -003	"		2
		" -004	"		3
		" -005	"		1
(Power Transistor P.W.B. Ass'y)					
Q1	△	VMW2541-***B	P.W. Board		1
		2SC1162(B,C)	Si. Transistor		1
		VKL5002-001	Heat Sink	for Q1	1
		DPSP3008Z	Screw	"	1
(Hall IC P.W. Board Ass'y)					
		VMW2541-***C	P.W. Board		1
		DN6835A	Hall IC		1

Packing

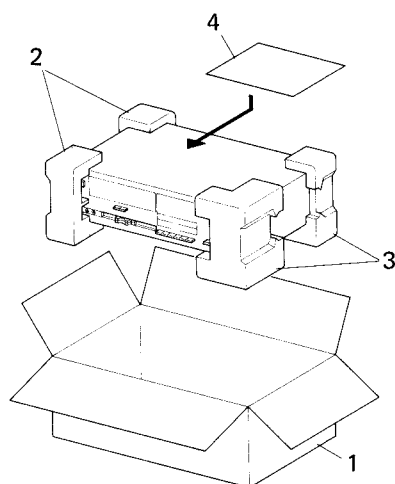


Fig. 20

Positions of controls and switch knobs at renew packing

Power switch	: OFF
NR system SWs	: OFF
Tape select SWs	: SF/NORM
Rec level controls	: MIN
Counter	: 000
Mecha. operation buttons	: OFF

Packing Material Parts List

Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
1	VPD2101-J02	Carton	KD-D40B	1
	" -J03	"	KD-D40A	1
	" -J04	"	KD-D40C	1
	" -J05	"	KD-D40E	1
	" -J06	"	KD-D40J	1
	" -J07	"	KD-D40U	1
2	VPH3111-001	Cushion	L	1
3	VPH3112-001	"	R	1
	Q04141H	Wire Clamp	for Power Cord	1
	TKS000501-08	Sheet	for Unit	1
	VPE4002-005	Poly Bag	for Unid KD-D40A	1
	QPGA060-06005	"	for Unit	1
	AP4056A-36	Envelope	KD-D40B/C/E/J/U	1
	VPE4002-004	Poly Bag	for Pin Cord	1
	AP4056B-077	"	for Inst. Book KD-D40A	1
			for Inst. Book	1
			KD-D40B/C/E/J/U	

Accessories

△ parts are safety assurance parts.
When replacing those parts, make sure to use the specified one.

Parts No.	△	Parts Name	Remarks	Q'ty
VMP0002-00B		Pin Cord		2
VNN0096-901		Instruction Book	KD-D40A/C/J/U	1
" -301		"	KD-D40B/E	1
BT20029B		Warranty Card	KD-D40A	1
BT20025E		"	KD-D40C	1
BT20047		"	KD-D40J/U	1
BT20013C		Guarantee Certificate	KD-D40B	1
TJL000443-01		Seal	"	1
		BEAB Label	"	1
T44362-001		CSA Marker	KD-D40C	1
VNC5004-001		Mark Sticker	KD-D40E	1
E66416-003		Envelope	for Warranty Card KD-D40J	1
BT20046A		Special Reply Card	"	1
BT20044D		Safety Instruction	"	1
TLT000505-01		UL/CSA Caution Label	KD-D40C/J	1
BT20046		Special Reply Card	KD-D40U	1
E7795-1		EP Mark	"	1
VNC5311-101		Caution Card	"	1
V04062-001	△	Siemens Plug	"	1
T46328-001		Caution Label		1
VND4013-001		Warning Label	KD-D40A/E/B	1
QZL1002-003BS		"	"	1
VPZ4001-001		Serial Ticket	KD-D40A/B/E/J/U	1
T43758-003		"	KD-D40C	1
VNC5004-001		Mark Sticker	KD-D40B	1
NVD4037-001		F Mark Label	KD-D40E	1

JVC

VICTOR COMPANY OF JAPAN, LIMITED

RADIO & RECORDING MACHINE DIVISION 101, 1-chome, Ohwatari-cho Maebashi-city 371, Japan



Printed in Japan
- 5704 - O -